

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (withdrawn): A stent delivery system comprising:
a catheter;
a balloon operably attached to the catheter; and
a stent disposed on the balloon, the stent including at least one coating, the coating applied onto the stent by dipping a portion of the stent into a coating liquid while simultaneously rotating the stent.

Claim 2 (withdrawn): The system of claim 1 wherein the coating includes a therapeutic agent.

Claim 3 (withdrawn): The system of claim 1 wherein the coating is substantially on an outer surface of the stent.

Claim 4 (withdrawn): The system of claim 1 wherein the coating comprises a thickness of about 1 to 150 microns.

Claim 5 (withdrawn): The system of claim 1 wherein the stent is dipped at a rate of about 0.1 to 25.0 millimeters per second.

Claim 6 (withdrawn): The system of claim 1 wherein the stent is dipped for a time period of about 5 seconds to 10 minutes.

Claim 7 (withdrawn): The system of claim 1 wherein the stent is rotated at a rate of about 100 to 25,000 rotations per minute.

Claim 8 (withdrawn): The system of claim 1 further comprising:
a control sequence; and
a programmable logic chip wherein the logic chip controls at least one of
the dipping and rotation of the stent based on the control sequence.

Claim 9 (withdrawn): A stent device comprising:
a body; and
at least one coating rotationally applied to a portion of the body, while the
body is at least partially immersed in a coating liquid.

Claim 10 (withdrawn): The device of claim 9 wherein the coating
includes a therapeutic agent.

Claim 11 (withdrawn): The device of claim 9 wherein the coating is
substantially on an outer surface of the body.

Claim 12 (withdrawn): The device of claim 9 wherein the coating
comprises a thickness of about 1 to 150 microns.

Claim 13 (withdrawn): The device of claim 9 wherein the rotational
application of the coating comprises dipping the body at a rate of about 0.1 to 25.0
millimeters per second.

Claim 14 (withdrawn): The device of claim 9 wherein the rotational
application of the coating comprises immersing the body for a time period of about 5
seconds to 10 minutes.

Claim 15 (withdrawn): The device of claim 9 wherein the body is rotated
at a rate of about 100 to 25,000 rotations per minute.

Claim 16 (withdrawn): The device of claim 9 further comprising:
a control sequence; and
a programmable logic chip wherein the logic chip controls the rotational application based on the control sequence.

Claim 17 (currently amended): A method for coating a stent comprising:
immersing a portion of the stent into a coating liquid;
withdrawing the immersed portion of the stent from the coating liquid; and
simultaneously rotating the stent around its longitudinal axis with respect to the coating liquid while the stent is being immersed and withdrawn.

Claim 18 (original): The method of claim 17 wherein the rotation forces the coating liquid to an outer portion of the stent.

Claim 19 (original): The method of claim 17 further comprising applying multiple layered coatings.

Claim 20 (original): The method of claim 17 wherein immersing the stent comprises controlling a stent wetting characteristic.

Claim 21 (original): The method of claim 17 wherein the stent is immersed at a rate of about 0.1 to 25.0 millimeters per second.

Claim 22 (original): The method of claim 17 wherein the stent is immersed for a time period of about 5 seconds to 10 minutes.

Claim 23 (original): The method of claim 17 wherein the stent is rotated during immersion at a rate of about 100 to 3,500 rotations per minute.

Claim 24 (original): The method of claim 17 wherein withdrawing the stent comprises controlling a stent coating thickness.

Claim 25 (original): The method of claim 24 wherein the sent coating thickness comprises a thickness of about 1 to 150 microns.

Claim 26 (original): The method of claim 17 wherein the stent is withdrawn at a rate of about 0.1 to 25.0 millimeters per second.

Claim 27 (original): The method of claim 17 wherein the stent is rotated during withdrawal at a rate of about 600 to 25,000 rotations per minute.

Claim 28 (original): The method of claim 17 further comprising:
programming a control sequence; and
controlling at least one of the immersion, withdrawal, and rotation based on the control sequence.

Claim 29 (withdrawn): A stent device comprising:
means for immersing a portion of the stent into a coating liquid;
means for withdrawing the immersed portion of the stent from the coating liquid; and
means for simultaneously rotating the stent with respect to the coating liquid while the stent is being immersed and withdrawn.

Claim 30 (withdrawn): The device of claim 29 further comprising:
a control sequence; and
means for controlling at least one of the immersion, withdrawal, and rotation based on the control sequence.